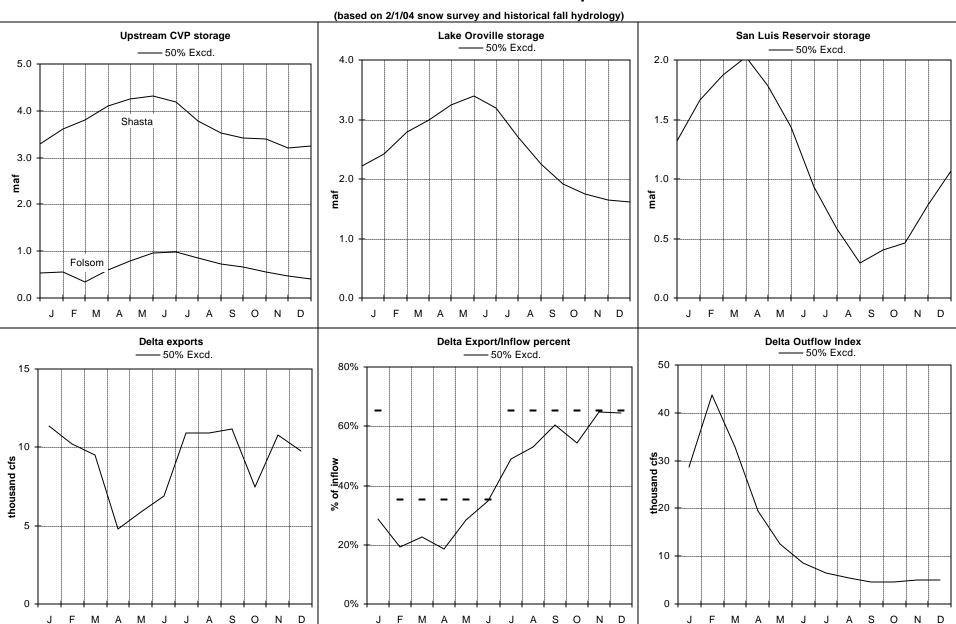


SWP & CVP CY 2004 Forecasted Operations



Flows are monthly averages.

DRAFT

Bay-Delta Standards



Contained in D-1641

CRITERIA	Feb 2004	Mar 2004	Apr 2004
FLOW/OPERATIONAL			
Fish and Wildlife			1,500 cfs or 100% of
SWP/CVP Export Limits			3-day avg. Vernalis flow
Export/Inflow Ratio	35%	35%	35%
Minimum Outflow - mon.			
- 7 day avg.			
Striped Bass Survival			
Habitat Protection Outflow, X2	Port Chicago for 28 days	7,100 - 29,200 c	fs or X2 days (through June)
River Flows:			
@ Rio Vista - min. mon. avg.			
- 7 day average			
@ Vernalis: Base -min. mon. avg.	2280 cfs	2280 cfs	2280 cfs
- 7 day average	1824 cfs	1824 cfs	1824 cfs
Pulse objective			5480 cfs
Delta Cross Channel Gates		Closed	
WATER QUALITY STANDARDS			
Municipal and Industrial			
All Export Locations		Cl <= 250 mg/l	
Contra Costa Canal	CI	<= 150 mg/l for 175, days for Bleow Normal Y	еаг Туре
Agriculture			
Western/Interior Delta			max.14-day average EC 0.45 mS/cm
Southern Delta	30 day running avg.	EC <= 1.0 mS/cm	30 day running avg. EC <= 0.7 mS/cm
• Fish and Wildlife			
San Joaquin River Salinity			14-day avg.; 0.44 EC
Suisun Marsh Salinity	8.0 mhtEC	8.0 mhtEC	11.0 mhtEC

Water Year Classification: Below Normal (Based on forecast, 2/1/2004)

SRI (40-30-30 @ 50%) = 7.7 MAF

SJV (60-20-20 @75%) =2.3 MAF

NDD (Drowlle)* NDD (POWAPCWA) SDD (MCWAPCWA) SDD (MCWAPCWAPCWA) SDD (MCWAPCWAPCWAPCWAPCWAPCWAPCWAPCWAPCWAPCWAP										ceedance l		. MAND OC	400 745					
NOC CONCINED** NOC CONCI	1			_											Oct	Nov	Dec	Tota
SOD (MANDO) SOD (MANDO) SOD	NOD (Oroville) ⁰		00.	.101	200	04.1	. 52	· · · ·	7 40.	ay	- Guii	ou.	7.09	ООР	00.			. 0.0
Section Sect	NOD (YCWA/PCWA)										75		-25	-25	-25			
EWA Assert Acquisition in SWP Sm Luis* C/O Cet Nev Dec Jan Feb Mar Age May Jun Jul Aug Sep Oct Nev Dec Jan Feb Mar Age May Jun Jul Aug Sep Oct Nev Dec Jan Feb Mar Age May Jun Jul Aug Sep Oct Nev Dec Jan Feb Mar Age May Jun Jul Aug Sep Oct Nev Dec Jan Feb Mar Age May Jun Jul Aug Sep Oct Nev Dec Jan Feb Mar Age May Jun Jul Aug Sep Oct Nev Dec Jan Feb Mar Age May Jun Jul Aug Sep Oct Nev Dec Jan September Market Ma	SOD (KCWA/SCVWD)									160	-45	-75	-40					
## Relization ## Assert of SVP gain Five Name of SVP gain Five Na	SOD (MWD)																	
Relaxation																		
## Assert SWP gain Project Purpling to reduce EVA debt PCO using naces filenee	,	C/O	l Oct	Nov	Dec						Lun	L Jul	Aug	Sen	Oct I	Nov	Dec	Tota
With a start of SWP gain reduce EWA debt	-// Relayation		001	1407	Doo	Jan	1 00	IVIGI	7 (51	iviay	Our	oui	riag	ОСР	001	1407		100
Proposed Pumpings for educe EWA debt PCO using excess flows PCO using NOS dorsage for NOS - Scannand Rever 2 1		1																
February Figure																		
Fer NOD - Sastranement River Fer NoD - F	POD using excess flows																	
Fer NOD - San Josephin River OCTO OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Tele RVOD - San Josephin Propring Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May Jun Jul Aug Sep OCT Nov Dec Jan Feb Marr Apr May	POD using NOD storage																	
COD SUPP Surface(CW Purchases Code Cod	(fer NOD - Sacramento River ²												20 3 4	20 3 4	20 3 4			
Six-hange of EWA assets	(fer NOD - San Joaquin River ²																	
Stouthwarp pumping SOD Submap Sub	SOD SWP Surface/GW Purchases										45 ⁵	45 ⁵	40 ⁵					1
EVALABOR FOR CVF 10 SWP IN SL	•	L						L									L	
Column C																		
EWA Asset Acculation in CVP San Luis San Sci											4-	4-	25					<u> </u>
C/O Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1	i otal Monthly EWA Assets		0	0	0	0	0	0	0	0	45	45	60	20	20	0	0	1
### Relaxation **Topicel Pumping to reduce EWA debt** POD using NOS places flows						EWA A	Asset Acc	uisition i	n CVP Sa	n Luis		_	_					
Project Pumping to reduce EWA debt POD using excess flows	j.	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Tota
POD using packed																		
PCD using NOD storage	Project Pumping to reduce EWA debt																	
	IPOD using excess flows																	
SOD CVP Surface(CW purchases Cxchange of EWA assets Cxchange of EWA assets Cxchange of EWA assets Cxchange of EWA assets Cxchange from SWP to CVP in St. Cxchange from SWP to C																		
EWA Expenditures at the Export Pumps Support cuts Support cu	•											_						
Content Cont												30 5						
EWA Expenditures at the Export Pumps Few Agr May Jun Jul Aug Sep Oct Nov Dec Total Monthly EWA Assets O O O O O O O O O																	<u> </u>	
Figure F																		
EWA Expenditures at the Export Pumps SWP export cuts SWP exp		0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	
C/O Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Tan SWP export cuts SWP in SL (without Source Shift) O O O O O O O O O	,																	
SWP export cuts SWP in SL (without Source Shift) SWP in SL (without Source		0/0	0-4	New	l Dan						Lun	Lina	A	Con	0~4	Neu	Dee	l +
CVP export cuts	•		Oct	INOV	Dec	Jan						Jui	Aug	Sep	Oct	NOV	Dec	Tota
Fotal Expenditures	SWP export cuts						-50	-50	-18		-50							-2
EWA End-of-Month Incremental Storage Changes																		-
C/O Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Temporary	Total Expenditures	0	0	0	0	0	-50	-50	-18	-138	-50	0	0	0	0	0	0	-3
C/O Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Text Nov																		•
Composition					E	WA End-c	f-Month I	ncremen	tal Storag	e Change	s							
Storage 0	;	C/O		Nov			Feb	Mar	Apr	May	Jun					Nov	Dec	Tot
SOD Storage (non-S.L.)		C/O	0	0	Dec 0	Jan 0	Feb -50	Mar -50	Apr -18	May -114	Jun -5	45	60	20	20	0	0	
EWA End-of-Month Storage Balance at Various Sites C/O Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Dec Oct Nov Dec Oct	CVP in SL	C/O	0	0	0 0	Jan 0 0	-50 0	-50 0	Apr -18 0	May -114 -24	Jun -5 0	45 30	60 0	20 0	20 0	0	0	
EWA End-of-Month Storage Balance at Various Sites C/O Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec SWP in SL (without Source Shift) O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CVP in SL NOD Storage	C/O	0 0 0	0 0	0 0 0	Jan 0 0	-50 0 0	-50 0	Apr -18 0	-114 -24	Jun -5 0 75	45 30 0	60 0 -25	20 0 -25	20 0 -25	0 0 0	0 0 0	Tota
C/O Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec SWP in SL (without Source Shift) O O O O O O O O O	CVP in SL NOD Storage SOD Storage (non-S.L.)	C/O	0 0 0	0 0 0	0 0 0 0	Jan 0 0 0 0 0 0	Feb -50 0 0 0	-50 0 0	Apr -18 0 0 0	May -114 -24 0 160	Jun -5 0 75 -45	45 30 0 -75	60 0 -25 -40	20 0 -25 0	20 0 -25 0	0 0 0	0 0 0	-
SWP in SL (without Source Shift) 0 0 0 0 0 -50 -100 -118 -232 -237 -192 -132 -112 -92 -92 -92 -92 -92 -92 -92 -92 -92 -9	CVP in SL NOD Storage SOD Storage (non-S.L.)	C/O	0 0 0	0 0 0	0 0 0 0	Jan 0 0 0 0 0 0	Feb -50 0 0 0	-50 0 0	Apr -18 0 0 0	May -114 -24 0 160	Jun -5 0 75 -45	45 30 0 -75	60 0 -25 -40	20 0 -25 0	20 0 -25 0	0 0 0	0 0 0	
CVP SL O	CVP in SL NOD Storage SOD Storage (non-S.L.)		0 0 0 0	0 0 0 0	Dec 0 0 0 0 0 0 EW	Jan 0 0 0 0 0 0 0	Feb -50 0 0 -50	Mar -50 0 0 0 - 50	Apr -18 0 0 0 -18	May -114 -24 0 160 22	Jun -5 0 75 -45 25	45 30 0 -75 0	60 0 -25 -40 - 5	20 0 -25 0 -5	20 0 -25 0 -5	0 0 0 0	0 0 0 0	
NOD Storage (non-S.L.)	CVP in SL NOD Storage SOD Storage (non-S.L.) Fotal Incremental Storage Changes		0 0 0 0 0	0 0 0 0	Dec 0 0 0 0 0 EW Dec	Jan 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Feb -50 0 0 0 -50 -50 -50 Feb	Mar -50 0 0 0 -50 corage Ba Mar	Apr -18 0 0 0 -18 llance at \ Apr	May -114 -24 0 160 22 /arious Sit	Jun -5 0 75 -45 25	45 30 0 -75 0 Jul	60 0 -25 -40 -5	20 0 -25 0 -5	20 0 -25 0 -5	0 0 0 0 0	0 0 0 0 0	-
SOD Storage (non-S.L.) 0 0 0 0 0 0 0 0 160 115 40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CVP in SL NOD Storage SOD Storage (non-S.L.) Fotal Incremental Storage Changes SOD Storage (non-S.L.) SOD STORAGE (Non-S.L.)		0 0 0 0 0	0 0 0 0 0 0	Dec 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Jan 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Feb -50 0 0 -50 Month St Feb -50	Mar -50 0 0 -50 corage Ba Mar -100	Apr -18 0 0 0 -18 llance at \ Apr -118	May -114 -24 0 160 22 /arious Sit May -232	Jun -5 0 75 -45 25 tes Jun -237	45 30 0 -75 0 Jul -192	60 0 -25 -40 -5	20 0 -25 0 -5 Sep -112	20 0 -25 0 -5	0 0 0 0 0 0 Nov	0 0 0 0 0 0 0	
San Luis Reservoir Storage Conditions C/O Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jun Storage (base case) 6 650 788 1010 1664 1826 2008 1748 1303 778 488 282 368 401 729 1032 Encroachment Fotal Storage (EWA case) 6 650 788 0 1010 1664 1776 1908 1630 1047 517 302 156 262 315 643 946	CVP in SL NOD Storage SOD Storage (non-S.L.) Total Incremental Storage Changes S SWP in SL (without Source Shift) CVP SL		0 0 0 0 0	0 0 0 0 0 0 Nov 0	Dec	Jan 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Feb -50 0 -50 -50 -50 -50 -50 0 0	Mar -50 0 0 0 -50 corage Ba Mar -100	Apr -18 0 0 0 -18 lance at \ Apr -118 0	May -114 -24 0 160 22 Various Sit May -232 -24	Jun -5 0 75 -45 25 tes Jun -237 -24	45 30 0 -75 0 Jul -192 6	60 0 -25 -40 -5 Aug -132 6	20 0 -25 0 -5 Sep -112 6	20 0 -25 0 -5 Oct -92 6	0 0 0 0 0 0 Nov -92 6	0 0 0 0 0 0 0 0	-
San Luis Reservoir Storage Conditions C/O Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Total Storage (base case) 6 650 788 1010 1664 1826 2008 1748 1303 778 488 282 368 401 729 1032 1000 1	CVP in SL NOD Storage SOD Storage (non-S.L.) Fotal Incremental Storage Changes S SWP in SL (without Source Shift) SVP SL NOD Storage		0 0 0 0 0 0	0 0 0 0 0 0 Nov 0	Dec	Jan 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-50 0 0 -50 -50 -50 -50 0	Mar -50 0 0 0 -50 corage Ba Mar -100 0 0	Apr -18 0 0 0 -18 lance at \ Apr -118 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	May -114 -24 0 160 22 Various Sit May -232 -24 0	Jun -5 0 75 -45 25 tes Jun -237 -24 75	45 30 0 -75 0 Jul -192 6 75	60 0 -25 -40 -5 Aug -132 6 50	20 0 -25 0 -5 Sep -112 6 25	20 0 -25 0 -5 Oct -92 6 0	0 0 0 0 0 0 Nov -92 6 0	0 0 0 0 0 0	-
C/O Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Total Storage (base case) 6 650 788 1010 1664 1826 2008 1748 1303 778 488 282 368 401 729 1032 Encroachment Total Storage (EWA case) 6 650 788 0 1010 1664 1776 1908 1630 1047 517 302 156 262 315 643 946	CVP in SL NOD Storage SOD Storage (non-S.L.) Fotal Incremental Storage Changes WP in SL (without Source Shift) CVP SL NOD Storage SOD Storage (non-S.L.)		0 0 0 0 0 0	0 0 0 0 0 0	Dec	Jan 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Feb -50 0 0 -50 Feb -50 0 0 0 0 0 0 0 0 0	Mar -50 0 0 0 -50 Corage Ba Mar -100 0 0 0	Apr -18 0 0 -18 Apr	May -114 -24 0 160 22 Various Sit May -232 -24 0 160	Jun -5 0 75 -45 25 tes Jun -237 -24 75 115	45 30 0 -75 0 Jul -192 6 75 40	60 0 -25 -40 -5 -40 -132 6 50	20 0 -25 0 -5 Sep -112 6 25 0	20 0 -25 0 -5	0 0 0 0 0 0 0 Nov -92 6 0	0 0 0 0 0 0 0	-
Total Storage (base case) 6 650 788 1010 1664 1826 2008 1748 1303 778 488 282 368 401 729 1032 Encroachment oral Storage (EWA case) 650 788 0 1010 1664 1776 1908 1630 1047 517 302 156 262 315 643 946	CVP in SL IOD Storage SOD Storage (non-S.L.) Fotal Incremental Storage Changes SWP in SL (without Source Shift) CVP SL IOD Storage SOD Storage (non-S.L.)		0 0 0 0 0 0	0 0 0 0 0 0	Dec	Jan 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Feb -50 0 0 -50 Feb -50 0 0 0 0 0 0 0 0 0	Mar -50 0 0 0 -50 Corage Ba Mar -100 0 0 0	Apr -18 0 0 -18 Apr	May -114 -24 0 160 22 Various Sit May -232 -24 0 160	Jun -5 0 75 -45 25 tes Jun -237 -24 75 115	45 30 0 -75 0 Jul -192 6 75 40	60 0 -25 -40 -5 -40 -132 6 50	20 0 -25 0 -5 Sep -112 6 25 0	20 0 -25 0 -5	0 0 0 0 0 0 0 Nov -92 6 0	0 0 0 0 0 0 0	-
Total Storage (EWA case) 650 788 0 1010 1664 1776 1908 1630 1047 517 302 156 262 315 643 946	CVP in SL IOD Storage SOD Storage (non-S.L.) Fotal Incremental Storage Changes SWP in SL (without Source Shift) CVP SL IOD Storage SOD Storage (non-S.L.)	C/O	0 0 0 0 0 0	0 0 0 0 0 0	Dec	Jan	Feb -50 0 0 -50 -50 0 0 0 0 0 0 0 0 0 0 0 0	Mar -50 0 0 0 -50 Corage Ba Mar -100 0 0 0 -100 Corage Storage	Apr -18 0 0 0 -18 lance at \ Apr -118 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	May -114 -24 -0 160 22 /arious Sit May -232 -24 -0 160 -96	Jun -5 0 75 -45 25 tes Jun -237 -24 75 115 -71	45 30 0 -75 0 Jul -192 6 75 40	60 0 -25 -40 -5 -132 6 50 0	20 0 -25 0 -5 Sep -112 6 25 0 -81	20 0 -25 0 -5 Oct -92 6 0 0	0 0 0 0 0 0 -92 6 0 0	0 0 0 0 0 0	
Total Storage (EWA case) 650 788 0 1010 1664 1776 1908 1630 1047 517 302 156 262 315 643 946	CVP in SL IOD Storage SOD Storage (non-S.L.) Total Incremental Storage Changes SEWP in SL (without Source Shift) SVP SL IOD Storage SOD Storage (non-S.L.) EWA Asset Balance	C/O	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	Dec	Jan	Feb -50 0 0 -50 Month St Feb 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Mar -50 0 0 0 0 -50 corage Ba Mar -100 0 0 0 -100 corage Mar	Apr -18 0 0 0 -18 Apr -18 Apr -18 Apr -118 Apr -118 O 0 0 -118 Apr -118 Ap	May -114 -24 -0 160 22 //arious Sit May -232 -24 -0 160 -96	Jun -5 0 75 -45 25 tes Jun -237 -24 75 115 -71	45 30 0 -75 0 Jul -192 6 75 40 -71	60 0 -25 -40 -5 -132 6 50 0 -76	20 0 -25 0 -5 -5 Sep -112 6 25 0 -81	20 0 -25 0 -5 Oct -92 6 0 0 -86	0 0 0 0 0 0 Nov -92 6 0 0 -86	0 0 0 0 0 0 0 0 0 0 0 -92 6 0 0 -92 -86	-
	CVP in SL IOD Storage SOD Storage (non-S.L.) Total Incremental Storage Changes SWP in SL (without Source Shift) EVP SL IOD Storage SOD Storage (non-S.L.) EWA Asset Balance Total Storage (base case) 6	C/O	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	Dec	Jan	Feb -50 0 0 -50 Month St Feb 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Mar -50 0 0 0 0 -50 corage Ba Mar -100 0 0 0 -100 corage Mar	Apr -18 0 0 0 -18 Apr -18 Apr -18 Apr -118 Apr -118 O 0 0 -118 Apr -118 Ap	May -114 -24 -0 160 22 //arious Sit May -232 -24 -0 160 -96	Jun -5 0 75 -45 25 tes Jun -237 -24 75 115 -71	45 30 0 -75 0 Jul -192 6 75 40 -71	60 0 -25 -40 -5 -132 6 50 0 -76	20 0 -25 0 -5 -5 Sep -112 6 25 0 -81	20 0 -25 0 -5 Oct -92 6 0 0 -86	0 0 0 0 0 0 Nov -92 6 0 0 -86	0 0 0 0 0 0 0 0 0 0 0 -92 6 0 0 -92 -86	-
MVD Source Shifting	CVP in SL NOD Storage SOD Storage (non-S.L.) Fotal Incremental Storage Changes SWP in SL (without Source Shift) CVP SL NOD Storage SOD Storage (non-S.L.) EWA Asset Balance Fotal Storage (base case) 6 Encroachment	C/O	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0	Dec	Jan	Feb -50 0 0 -50	Mar -50 0 0 0 -50 0 0 0 0 0 0 0 0 0 0 0 0 0	Apr -18 0 0 0 -118 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	May -114 -24 0 160 22 Various Sit May -232 -24 0 160 -96	Jun -5 0 75 -45 25 25 29 Jun -237 -24 75 115 -71 Jun 778	45 30 0 -75 0 Jul -192 6 75 40 -71	60 0 -25 -40 -5 -132 6 50 0 -76	20 0 -25 0 -5 -5 Sep -112 6 25 0 -81	20 0 -25 0 -5 Oct -92 6 0 0 0 -86	0 0 0 0 0 0 0 -92 6 0 0 -86	0 0 0 0 0 0 0 0 0 0 -92 -92 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-
Storage (with MWD source shifting) 650 788 1010 1664 1776 1908 1630 1072 567 377 256 337 365 668 946	CVP in SL NOD Storage SOD Storage (non-S.L.) Fotal Incremental Storage Changes SWP in SL (without Source Shift) CVP SL NOD Storage SOD Storage (non-S.L.) EWA Asset Balance Fotal Storage (base case) Fotal Storage (base case)	C/O	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0	Dec	Jan	Feb -50 0 0 -50	Mar -50 0 0 0 -50 0 0 0 0 0 0 0 0 0 0 0 0 0	Apr -18 0 0 0 -118 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	May -114 -24 0 160 22 Various Sit May -232 -24 0 160 -96 litions May 1303	Jun -5 0 75 -45 25 tes Jun -237 -24 75 115 -71 Jun 778	45 30 0 -75 0 Jul -192 6 75 40 -71 Jul 488	60 0 -25 -40 -5 -132 6 50 0 -76 -76	20 0 -25 0 -5 -5 -5 -5 -5 -112 6 25 0 -81 -81	20 0 -25 0 -5 Oct -92 6 0 0 -86	0 0 0 0 0 0 0 -92 6 0 0 -86 Nov 729	0 0 0 0 0 0 0 -92 -92 0 0 -86	-

²⁰⁰⁴ NOD Purchases = 65(YCWA) + 10(PCWA). YCWA has firm 65 taf; can exercise options for an additional 120 taf. PCWA has firm 10 taf; can exercise options for an additional 10 taf.

¹ Aqueduct conveyance and evaporation losses are not included.

² Carriage water loss applies to water transfers from the Sacramento River; a 10% conveyance loss applies to water transfers from the San Joaquin River. Carriage water loss in WY 2003 was 0%.

³ 2004 YCWA Transfer (Joint place of use)

⁴ 2004 PCWA Transfer

⁵ 2004 SOD Transfers - 130 TAF from KCWA (SWP Place of use) and 30 TAF from SCVWD (CVP Place of use)
⁶ Based upon the 2/2004 DWR's 50% (75% Fall) allocation study and the USBR'S February "50% Forecast - B2 with JPOD" study

		Assu							ceedance		es - 115 TA	Æ					
1	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NOD (Oroville) ⁰																	(
NOD (YCWA/PCWA)										133		-66	-66				(
SOD (KCWA/SCVWD)									115	-30	-60	-25					(
SOD (MWD)																	(
-								n SWP Sa								_	ii
2	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
E/I Relaxation																	- (
EWA share of SWP gain	-																
Project Pumping to reduce EWA debt JPOD using excess flows																	-
JPOD using excess nows JPOD using NOD storage																	
Xfer NOD - Sacramento River ²												53 3 4	53 ^{3 4}				100
Xfer NOD - Sacramento River ²												33	33				100
SOD SWP Surface/GW Purchases										30 ⁵	30 ⁵	25 ⁵					8
Exchange of EWA assets										30	30	20					0
Exchange of EWA assets Groundwater pumping SOD	-					-											- '
Exchange from CVP to SWP in SL						-	-	1			1						-
Total Monthly EWA Assets		0	0	0	0	0	0	0	0	30	30	78	53	0	0	0	19
					EWA A	Asset Acc	uisition	in CVP Sa	n Luis								
3	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
E/I Relaxation																	
Project Pumping to reduce EWA debt																	(
JPOD using excess flows																	_
JPOD using NOD storage																	_
Xfer NOD - Sacramento River ²																	(
Xfer NOD - San Joaquin River 2																	(
SOD CVP Surface/GW purchases											30 ⁵						30
Exchange of EWA assets																	(
Groundwater pumping																	(
Exchange from SWP to CVP in SL	0				0	0		0	•	0	20	•	•	•	0	0	0
Total Monthly EWA Assets	U	0	0	0	U	U	0	U	0	U	30	0	0	0	U	U	30
•																	
•					FWA F	vnenditi	iros at th	- Evnort I	Dumne								
1	C/O	Oct	Nov	Dec				e Export F		l Jun	l Jul	Aug	Sen	Oct	Nov	Dec	Total
4	C/O	Oct	Nov	Dec	EWA E	Feb	Mar	e Export F Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
4 SWP export cuts	C/O	Oct	Nov	Dec					May -41	Jun -50	Jul	Aug	Sep	Oct	Nov	Dec	-19
4 SWP export cuts CVP export cuts					Jan	Feb -50	-50	Apr	-41 -31	-50		•	·				-19 ⁻
4 SWP export cuts	C/O 0	Oct 0	Nov	Dec 0		Feb	Mar		May -41		Jul 0	Aug 0	Sep 0	Oct 0	Nov 0	Dec 0	-19
4 SWP export cuts CVP export cuts				0	Jan 0	-50	-50	Apr 0	-41 -31 -72	-50 - 50		•	·				-19 ⁻
4 SWP export cuts CVP export cuts	0	0	0	0 E	Jan 0 WA End-o	-50 -50 of-Month	-50 -50	Apr 0 tal Storage	-41 -31 -72 ge Change	-50 -50	0	0	0	0	0	0	-19 ⁻
4 SWP export cuts CVP export cuts Fotal Expenditures		Oct	0	0 E'	Jan 0 WA End-c	-50 -50 -50 -f-Month Feb	-50 -50 Incremen	Apr 0 tal Storag	-41 -31 -72 ge Change May	-50 -50 s	0 Jul	0 Aug	0 Sep	O	0 Nov	0 Dec	-19 ⁻
4 SWP export cuts CVP export cuts	0	0	0	0 E	Jan 0 WA End-o	-50 -50 of-Month	-50 -50	Apr 0 tal Storage	-41 -31 -72 ge Change May -41	-50 -50	0	0	0	0	0	0	-19 ⁻
4 SWP export cuts CVP export cuts Fotal Expenditures 5 SWP in SL (without Source Shift)	0	0 Oct 0	Nov 0	O E Dec	Jan 0	-50 -50 -50 -50 -50 -50 -50	-50 -50 Increment Mar -50	O tal Storage Apr	-41 -31 -72 ge Change May	-50 -50 s Jun -20	0 Jul 30	0 Aug 78	o Sep 53	Oct	0 Nov 0	0 Dec 0	-19 ⁻
SWP export cuts CVP export cuts Fotal Expenditures SWP in SL (without Source Shift) CVP in SL	0	0 Oct 0	Nov 0 0	0 Dec 0	Jan 0	-50 -50 -50 -50 -50 -50 -50 -50 -50	-50 -50 Increment Mar -50 0	Apr O tal Storage Apr O 0	-41 -31 -72 ge Change May -41 -31	-50 -50 s Jun -20 0	0 Jul 30 30	o Aug 78 0	o Sep 53 0	0 Oct 0	0 Nov 0 0	0 Dec 0 0	-19 ⁻
4 SWP export cuts CVP export cuts Fotal Expenditures 5 SWP in SL (without Source Shift) CVP in SL NOD Storage	0	0 0 0 0	Nov 0 0 0 0	0 Dec 0 0	Jan 0 WA End-o Jan 0 0 0 0 0 0	-50 -50 -50 -50 -50 -50 -50 -50 -50 -50	-50 -50 Increment Mar -50 0 0	Apr 0 tal Storage Apr 0 0 0 0	May -41 -31 -72 ge Change May -41 -31 0	-50 -50 s Jun -20 0 133	0 Jul 30 30 0	0 Aug 78 0 -66	Sep 53 0 -66	0 0 0 0	Nov 0 0 0 0	0 Dec 0 0	-19 ⁻
SWP export cuts CVP export cuts Fotal Expenditures SWP in SL (without Source Shift) CVP in SL NOD Storage SOD Storage (non-S.L.)	0	0 0 0 0 0	0 Nov 0 0 0	0 Dec 0 0 0	Jan	-50 -50 -50 -50 -50 -50 -50 -50 -50	-50 -50 -50 -50 -50 -50 -50 -50	Apr 0	May -41 -31 -72 ge Change May -41 -31 0 115 43	-50 -50 s Jun -20 0 133 -30 83	Jul 30 30 0 -60	0 Aug 78 0 -66 -25	Sep 53 0 -66 0	Oct 0 0 0 0 0	Nov 0 0 0 0 0 0	Dec 0 0 0 0 0	-19 -3 -22
SWP export cuts CVP export cuts Fotal Expenditures SWP in SL (without Source Shift) CVP in SL NOD Storage SOD Storage (non-S.L.)	C/O	0 0 0 0 0	Nov 0 0 0 0 0 0 0	0 Dec 0 0 0	Jan 0	Feb -50	-50 -50 -50 -50 -50 -50 -50 -50 -50 -50	Apr 0 1 Apr 0 Apr 0 0 0 0 0 0 0 0 0	May -41 -31 -72 ge Change May -41 -31 0 115 43	-50 -50 s Jun -20 0 133 -30 83	Jul 30 30 0 -60	Aug 78 0 -66 -25	Sep 53 0 -66 0 -13	Oct 0 0 0 0 0	0 0 0 0 0 0	Dec 0 0 0 0 0 0	-19 -3 -22 Total
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²⁰⁰⁴ NOD Purchases = 65(YCWA) + 10(PCWA). YCWA has firm 65 taf; can exercise options for an additional 120 taf. PCWA has firm 10 taf; can exercise options for an additional 10 taf.

¹ Aqueduct conveyance and evaporation losses are not included.

² Carriage water loss applies to water transfers from the Sacramento River; a 10% conveyance loss applies to water transfers from the San Joaquin River. Carriage water loss in WY 2003 was 0%.

³ 2004 YCWA Transfer (Joint place of use)

⁴ 2004 PCWA Transfer

⁵ 2004 SOD Transfers - 85 TAF from KCWA (SWP Place of use) and 30 TAF from SCVWD (CVP Place of use)
⁶ Based upon the 2/2004 DWR's 90% (75% Fall) allocation study and the USBR'S February "90% Forecast - B2 with JPOD" study